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PTO/SB/05 (03-01)  
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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No.	25471-P001US
First Inventor	SCHREIBER
Title	Diagnostic Use of Polymorphisms...
Express Mail Label No.	EM570630143US

## APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

- ☒ Fee Transmittal Form (e.g., PTO/SB/17) **\$ 693.00**  
(Submit an original and a duplicate for fee processing)
- ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
- ☒ Specification [Total Pages **55**]  
(preferred arrangement set forth below)
  - Descriptive title of the invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference to sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed) **21 pgs**
  - Detailed Description **3 pgs**
  - Claim(s) **3 pgs**
  - Abstract of the Disclosure **1 pg**
  - Sequence Coding **30 pgs**
- ☐ Drawing(s) (35 U.S.C. 113) [Total Sheets **1**]
- Oath or Declaration unsigned [Total Pages **1**]
  - ☒ Newly executed (original or copy) unsigned  
Copy from a prior application (37 CFR 1.63 (d))
  - ☐ (for continuation/divisional with Box 18 completed)
    - ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
- ☒ Application Data Sheet. See 37 CFR 1.76

## ADDRESS TO:

Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

- ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
- Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
  - ☐ Computer Readable Form (CRF)
  - Specification Sequence Listing on:
    - ☐ CD-ROM or CD-R (2 copies); or
    - ☒ paper **30 pages attached to abstract/specification**
  - ☐ Statements verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

- ☐ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
- ☐ English Translation Document (if applicable)
- ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
- ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
- ☐ Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent
- ☐ Other: **Signed Domestic Representative - Cert. of Mailing**

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

<input type="checkbox"/> Continuation	<input type="checkbox"/> Divisional	<input type="checkbox"/> Continuation-in-part (CIP)	of prior application No. _____
Prior application information.		Examiner _____	Group Art Unit: _____

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

## 19. CORRESPONDENCE ADDRESS

<input type="checkbox"/> Customer Number or Bar Code Label	(Insert Customer No. or Attach bar code label here)	or	<input type="checkbox"/> Correspondence address below
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Name (Print/Type)	James J. Murphy	Registration No. (Attorney/Agent)	34,503
Signature	<i>James J. Murphy</i>	Date	July 10, 2001

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09/12/06/60  
11000 U.S. PTO

# FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision

TOTAL AMOUNT OF PAYMENT

(\$) 693.00

## Complete if Known

Application Number	
Filing Date	July , 2001
First Named Inventor	SCHREIBER
Examiner Name	
Group Art Unit	
Attorney Docket No.	25471-P001US

## METHOD OF PAYMENT

1. ☒ The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 23-2426  
Deposit Account Name: Winstead Sechrest & Minick P.C.

- ☒ Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17  
☒ Applicant claims small entity status See 37 CFR 1.27

2. ☒ Payment Enclosed:

☒ Check ☐ Credit card ☐ Money Order ☐ Other

## FEE CALCULATION

### 1. BASIC FILING FEE

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
101	710	201	355	Utility filing fee	\$355.00
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	

SUBTOTAL (1) (\$) 355.0

### 2. EXTRA CLAIM FEES

Total Claims: 22  
Independent Claims: 11  
Multiple Dependent: 11

Extra Claims: 22 - 20\*\* = 2  
Fee from below: 9  
Fee Paid: 18

Extra Claims: 11 - 3\*\* = 8  
Fee from below: 40  
Fee Paid: 320

Large Entity		Small Entity		Fee Description
Fee Code	Fee (\$)	Fee Code	Fee (\$)	
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	** Reissue independent claims over original patent
110	18	210	9	** Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) (\$) 693.0

\*\*or number previously paid, if greater; For Reissues, see above

## FEE CALCULATION (continued)

Large Entity		Small Entity		Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code	Fee (\$)		
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive - unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	710	249	355	For each additional invention to be examined (37 CFR § 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) (\$)

## SUBMITTED BY

Name (Print/Type) James J. Murphy

Registration No. 34,503  
(Attorney/Agent)

## Complete (if applicable)

Telephone (214) 745-5374

Signature

*James J. Murphy*

Date

July 10, 2001

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

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Attorney Docket No.  
25481- P001US

PATENT APPLICATION

CERTIFICATE OF MAILING BY "U.S. EXPRESS MAIL"  
Under 37 C.F.R. 1.10(c)

"Express Mail" Mailing Label Number: EM \_570\_630\_143US  
Date of Deposit: July 10, 2000

This 55 pages of Application (including 21 pages of specification, 3 pages of claims, 1 page of abstract and 30 pages of Sequence Listing), no drawings, 5 page unexecuted Declaration and Power of Attorney combined document pending signature by the inventors, 3 page unexecuted PTO/SB/01 Declaration of Utility of Design Patent Application pending signature by the inventors and unexecuted PTO/SB/81 Power of Attorney or Authorization of Agent document pending signature by the inventors, along with the 1 page unexecuted Designation of Domestic Representative pending signature of the inventors and the PTO/SB17 Filing Fee Transmittal Sheet claiming SMALL ENTITY status and its check in the amount of \$693.00 small entity application filing fees accompanied by the PTO/SB/05 Utility Patent Application Transmittal (also claiming small entity status), the 2 page Application Data Sheet, return receipt post card and this Certificate of Mailing, are being deposited with sufficient postage with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231.

  
S. Taylor Lenz

Signed: July 10, 2001

**DIAGNOSTIC USE OF POLYMORPHISMS IN THE GENE CODING FOR THE TNF  
RECEPTOR II AND METHODS FOR DETECTING NON-RESPONDERS TO ANTI-TNF  
THERAPY**

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07/06/2001 - 25481-P001US

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07/10/01  
JC639 U.S. PTO

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